PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

A1:	(oo and Rute 70)				
pplicant's or agent's file reference						
024455PC	FOR FURTHER AC		e Form PCT/IPEA/416			
International application No.	International filing date	e (day/month/year)	Priority date (day/month/year)			
PCT/CN02/00631	09.Sep.2002	(09.09.2002)				
International Patent Classification (IPC) or	national classification ar	nd IPC				
IPC7 C07K14/435 C12N15/12						
Applicant						
SHANGHAI GENOMICS,INC. et al.						
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 						
2. This REPORT consists of a total of						
3. This report is also accompanied by AN						
a. (sent to the applicant and to the International Bureau) a total of sheets, as follows:						
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).						
sheets which supersede e	earlier sheets, but which	this Authority considers of	ontain an amendment that goes have a			
the disclosure in the inte Box.	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.					
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).						
4. This report contains indications relating to the following items:						
Box No. I Basis of the rep	oort					
☐ Box No. II Priority						
Box No. III Non-establishme	ent of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of unity of						
Box No. V Reasoned stateme	·					
citations and explanations supporting such statement						
Box No. VI Certain document						
Box No. VII Certain defects in	ts in the international application					
Box No. VIII Certain observations on the international application						
Data of submining that a						
		Date of completion of this report				
02.Apr.2004 (02.04.200	4)	04.Jan.2	005 (04.01.2005)			
Name and mailing address of the IPEA/CN Authorized officer			t ran II			
6 Xitucheng Rd., Jimen Bridge, Haidian Dist 100088 Beijing, China	trict,	200	na Shujin			
resimile No. 26 10 62010451						
Form PCT/IPEA/409 (cover sheet) (January 2)	10-0phone 110: 00-10-02003070					

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/CN02/00631

Bo	x No. 1	I Basi	s of the report				
1.	With	regard to wise indi	o the language, this report is based on the international application in the language i cated under this item.	n which it was filed, unless			
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:						
	international search (under Rules 12.3 and 23.1(b))						
		☐ pul	olication of the international application (under Rule 12.4)				
		inte	ernational preliminary examination (under Rules 55.2 and/or 55.3)				
2.							
			national application as originally filed/furnished				
	×	the desc					
		pages *	1-3,5-15	as originally filed/furnished			
	•	pages *	received by this Authority on received by this Authority on	21.Oct.2002 (21.10.2002)			
		the clain	-				
		pages *	1	as originally filed/furnished			
		pages *		h any statement)under Article 19			
		pages *	received by this Authority on received by this Authority on				
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		the draw					
		pages *	1-6	as originally filed/furnished			
		pages *	received by this Authority on				
	_		received by this Authority on				
	⊠ :	a sequen	ce listing and/or any related table(s) - see Supplemental Box Relating to Sequence I	isting.			
3.	_	The eme	ndments have resulted in the cancellation of:				
J.	ш	THE AIR	numents have resulted in the cancellation of:				
			e description, pages				
			e claims, Nos.				
			e drawings, sheets/figs				
		⊔ տ	e sequence listing (specify):				
		☐ an	y table(s) related to sequence listing (specify):				
4.	4. This report has been established as if (some of) the amendments annexed to this report and listed below had not been made,						
	since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).						
			e description, pages	,			
			e claims, Nos.				
		☐ the	e drawings, sheets/figs				
			e sequence listing (specify):				
	, ,		y table(s) related to sequence listing (specify):				
	* If item 4 applies, some or all of those sheets may be marked "superseded."						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/CN02/00631

Statement:	s supporting such statement	
Novelty (N)	Claims 1,2,4-10 Claims 3	YES NO
Inventive step (IS)	Claims 1,2,4,5,9,10 Claims 3,6-8	YES
Industrial applicability (IA)	Claims 1-10 Claims	YES NO

Citations and explanations (Rule 70.7)

Document 2: Genomics 79 (1), 114-123 (2002), Radosavljevic, M. et al., A cluster of ten novel MHC class I related genes on human chromosome 6q24.2-q25.3

Claim 3 demands a kind of isolated polynucleotides comprising the polynucleotides which share at least 70 percent identity with the polynucleotides encoding the polypeptides in claim 1.

Document 2 disclosed a sequence of polynucleotide, which shares 94 percent identity with the polynucleotides encoding the polypeptides in claim 1. It is considered that the invention as defined in claim 3 does not appear to meet the criteria mentioned in Article 33(2)PCT, i.e. does not appear to be novel.

Claims 6-8 which depend on the polypeptides in claim 3 are obvious to the skilled persons in the art. It is considered that the invention as defined in claims 6-8 do not appear to meet the criteria mentioned in Article 33(3)PCT,i.e.does not appear to involve an inventive step.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/CN02/0063

Supplemental Day 2	PCT/CN02/00631			
Supplemental Box Relating to Sequence Listing				
Continuation of Box No. I, item 2:				
 With regard to any nucleotide and/or amino acid sequence disclosed in the internation invention, this report was established on the basis of: 	onal application and necessary to the claimed			
a. type of material				
a sequence listing				
table(s) related to the sequence listing				
b. format of material				
in written format				
in computer readable form				
c. time of filing/furnishing				
contained in the international application as filed				
filed together with the international application in computer readable form				
furnished subsequently to this Authority for the purposes of search and/or exam	ination			
received by this Authority as an amendment on				
2. In addition, in the case that more than one version or copy of a sequence listing	and/or table/a) relating the same to the same			
or furnished, the required statements that the information in the subsequent or ad	ditional copies is identical to that in the			
application as filed or does not go beyond the application as filed, as appropriate	, were furnished.			
3. Additional comments:				
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If item 4 in Box No.I applies, the listing and/or table(s) related thereto, which form part of the basis of the report, may be marked				
superseded."	of the basis of the report, may be marked			